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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/913,487	11/21/2001	Hans-Georg Baumgarten	1454.1086/RAG	2500

21171 7590 11/08/2004

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EXAMINER

SINGH, DALIP K

ART UNIT	PAPER NUMBER
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2676

DATE MAILED: 11/08/2004

9

Please find below and/or attached an Office communication concerning this application or proceeding.

RAA

Office Action Summary

Application No.

09/913,487

Applicant(s)

BAUMGARTEN ET AL.

Examiner

Dalip K Singh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 16-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 16-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Remarks

1. This Office Action is in response to applicant's remarks dated July 16, 2004 in response to PTO Office Action dated April 22, 2004. The rejection of claims 16-29 under 35 U.S.C. § 112, First paragraph and rejection of claim 16 under 35 U.S.C. § 112, Second paragraph has been withdrawn.

2. Applicant's arguments with respect to claims 16-29 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claim 16 is rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 4,553,206 to Smutek et al.

a. Regarding claim 16, Smutek et al. **discloses** bulk memory 12 which stores compressed images and from which they are retrieved for display and these images are compressed; the compressed image information is stored in the bulk memory 12 (col. 3, lines 55-68). Mapping of the mapping object as per the claim limitation is similarly disclosed "...Each such block is identified by an image or text identification called a block reference number...each image that is...compressed for storage and subsequent retrieval...this record includes...an Index...The Index includes an index which indicates where the compressed image information...are stored in memory...col. 4, lines 47-68". Smutek et al. further **discloses** having at least one parameter (...block reference

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number, which is essentially a logical address of the block...col. 4, lines 53-60) which determines a mapping of the mapping object.

b. Regarding claim 17, Smutek et al. **discloses** digital image data being modified by a plurality of processes (...the system...includes...which is used to scan and digitize images...col. 3, lines 62-68).

c. Regarding claim 18, Smutek et al. **discloses** a uniquely defined index table structure for searching graphic data at high speed (...each block is identified...in addition each digitized and stored image...has a separately stored administrative record...col. 4, lines 55-65).

d. Regarding claim(s) 19 and 20, Smutek et al. **discloses** both an index stored with an entry address (...each such block is identified by...a block reference number which is essentially a logical address of the...coded data ...col. 4, lines 55-68) as well accessing the index (...the index includes an index which indicates where the compressed image information are stored in memory...col. 4, lines 55-68; col. 5, lines 1-5) for the mapping object in the memory.

e. Regarding claim 21, Smutek et al. **discloses** both compressing and storage of image data (col. 3, lines 40-68).

f. Regarding claim 22, it is similar in scope to claim 16 above and is rejected under the same rationale.

g. Regarding claim 23, it is similar in scope to claim 17 above and is rejected under the same rationale .

h. Regarding claim 24, Smutek et al. **discloses** indexes being stored by the system in the memory, so the proper image or text identity may be constructed (col. 9, lines 55-60).

- i. Regarding claim 25, Smutek et al. **discloses** mapping object including information (...in storing compressed image...the system creates an Image Index which is used to store addressing information...stored in the main memory...col. 9, lines 41-45).
- j. Regarding claim 26, Smutek et al. **discloses** mapping object including another digital image (...in storing text or compressed image the system creates an Image index which is used to store addressing information identifying where the compressed image information is actually stored in the memory...col. 9, lines 40-45).
- k. Regarding claim 27, Smutek et al. **discloses** wherein at least one parameter is a specific variable for influencing image data of the predefined digital image (...the third block segment 53, entitled number of lines stored in image data block, contains a number indicating the number of scan lines stored within the 2K byte block of memory...col. 12, lines 8-11).
- a. Regarding claim 28, Smutek et al. **discloses** a memory to store the mapping object (bulk memory 12, Fig. 1); a processor unit (processor 11, Fig. 1) to determine to retrieve the mapping object by reference to an index when a digital image is modified. Mapping of the mapping object as per the claim limitation is similarly disclosed "...Each such block is identified by an image or text identification called a block reference number...each image that is...compressed for storage and subsequent retrieval...this record includes...an Index...The Index includes an index which indicates where the compressed image information...are stored in memory...col. 4, lines 47-68". Smutek et al. further **discloses** having at least one parameter (...block reference number, which is essentially a logical address of the block...col. 4, lines 53-60) which determines a mapping of the mapping object.
- b. Regarding claim 29, it is similar in scope to claim 22 above and is rejected under the same rationale.

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Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Dalip K. Singh** whose telephone number is **(703) 305-3895**. The examiner can normally be reached on Mon-Thu (8:00AM-6:30PM) Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Matthew Bella**, can be reached at **(703) 308-6829**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:


(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

dks

November 2, 2004



**MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600**